

ABSTRACT

TURNING DEVICE FOR LUMBER AND THE LIKE

5 A turning device for use in concert with a
conveyor adapted to feed elongated wood pieces
one-by-one to the turning device comprises at least
one turning member moveable between an idle position
and an operational position, a sensor located
10 upstream of the turning member, for scanning the wood
pieces on the conveyor, and an deflector controlled
by the sensor and adapted, when actuated, to
selectively cause the turning member to be displaced
to the operational position for turning a given
15 elongated wood piece on the conveyor to a desired
position. The turning member is pivotally mounted to
a motorised chain for continuously displacing the
turning member adjacent the conveyor. The turning
member also includes a guide pin, and the chain
20 drives the turning member along a closed-loop guide
track, the turning member having its guide pin
engaged in the track. The guide track defines a main
section and a secondary section, wherein when in the
main section, the turning member remains in its idle
25 position, whereas when the turning member engages the
secondary section, it is displaced to its operational
position. The deflector is pivotally displaceable
between first and second positions by the sensor,
whereby in the first position, the turning member
30 displaces in the main section in its idle position,
whereas in the second position, the turning member is
guided so as to displace in the secondary section in
its operational position.